

Remarks

Claims 66- 130 are in the application. Claims 66, 81, 97, 106, and 119 are in independent form. Reconsideration is requested.

Claims 11, 13-15 and 32-58 stand rejected under 35 USC 102(e) for anticipation by Tan (US Pat. No. 6,760,745). Claims 12 and 16-22 stand rejected under 35 USC 103(a) for obviousness over Tan in view of Stewart et al (US Pat Publ. No. 2004/0057075). Applicant responds as follows.

Claims 1-65 have been cancelled and replaced with claims 66- 130. Claims 66, 81, 97, 106, and 119 are in independent form and are each direct to a data output service method or system for outputting data content at an output device. Applicant submits that 66-130 are patentably distinct over the cited references for the following reasons.

Claim 66 recites:

A data output service method for outputting data content at an output device, comprising

establishing a wireless communication channel between a mobile, wireless information apparatus and a server over a network that includes a wireless communication channel;

providing a composite message from the information apparatus to the server and over the wireless communication channel, the composite message including at least one of a job object or a data content object, the job object indicating at least one of authentication and payment information and the data content object including a reference or pointer to data content;

receiving output data at the information apparatus from the server corresponding to the data content; and

delivering the output data from the information apparatus to an output device for outputting the data content.

Claim 66 recites “a mobile, wireless information apparatus” as a clarification of the “portable” device recited in original elected claim 17. Examples of such an apparatus are referred to at paragraph [0047] as “palmtop computer, handheld device, laptop computer, personal digital assistant (PDA), smart phone, screen phone, e-book, Internet pad, communication pad, Internet

appliance, pager, digital camera, etc." As described at paragraph [0050], the wireless aspect of the apparatus is a species that is exemplified as follows:

Information apparatus 100 may be coupled to network 108 through wired or wireless connections, or a combination of them. As an example, information apparatus 100 may subscribe to a wireless data network in which packet data is transmitted through, for example, radio links between information apparatus 100 and a plurality of base stations. A wireless communication connection may include a cellular telephone communication channel. As another example, information apparatus 100 may be connected to network 108 through wired lines such as, without limitation, telephone lines, Ethernet, WAN links (e.g., T1, T3, 56kb, X.25) or broadband connections (e.g., ISDN, Frame Relay and ATM), among others.

The job object and data content object of the composite message are described in the application beginning at, for example, paragraphs [0039] and [0042], respectively. The use of these objects in a composite message is described, for example, at paragraph [0108] of the application. The job object clarifies the structure of the payment and authentication information recited in original elected claims 12 and 22, respectively, and the data content object recites the subject matter recited in original elected claim 38.

Tan is directed to a method of operating a server to facilitate an interactive session between two or more computers. A document server dynamically-generates a document generated with an attached variable that contains information necessary to replicate the document on another server, thereby allowing the other server to generate a replicated version of the document to be sent to a second client computer as shown in Fig. 4, a customer service representative computer 425 to establish an interactive session between two or more client computers.

Stewart et al. is directed to a method for delivering a document over a network, including generating a postscript document from a client by a print driver at the client shown in Fig. 7A, 650 and uploading the postscript document to a storage unit via the network, verifying print driver information, and downloading the document from the storage unit to a facility for printing. As

described at paragraph [0044] of Stewart et al., the client 310 stores local applications 310a that can be used to create or download a document that the user can ultimately forward to the print side 300c for shipping and/or delivery to a specified location. Stewart et al. refers to an interface for entering user payment information.

Neither of the cited references teaches or suggests the data output service method of claim 66. Tan is directed to facilitating an interactive session between client computers by replicating documents on a pair of servers. Stewart et al. is directed to uploading a document from a client to a server and then forwarding the document from the server to a print site. Neither reference teaches or suggests a data output service method that includes establishing a wireless communication channel between a mobile, wireless information apparatus and a server over a network that includes a wireless communication channel, providing a composite message from the information apparatus to the server, the composite message including at least one of a job object or a data content object, and receiving output data at the information apparatus from the server corresponding to the data content.

More specifically, Tan is directed to facilitating an interactive session and not remotely directed to outputting data. Stewart et al. describes outputting data, but uploads the data from the client to a server from which the data is then sent by the server at the website co-location as shown in Fig 7A to a print site for output. Stewart et al. provides no teaching or suggestion of receiving output data at the information apparatus from the server and delivering the output data from the information apparatus to an output device for outputting the data content. Moreover, neither reference provides any teaching or suggestion of a job object indicating authentication information or a data content object including a reference or pointer to data content. Applicants submit, therefore, that claim 66 and its dependent claims are patentably distinct from the cited references.

Moreover, applicants submit that independent claims 81, 97, 106, and 119, and their dependent claims, are patentably distinct from the cited references. Claim 81 recites:

providing a composite message from the information apparatus to the server, the composite message including at least a reference or pointer to data content and an indication of at least one of a language, format or data type acceptable for outputting the data content at an output device;

receiving output data at the information apparatus from the server corresponding to the data content and being in a form that is acceptable for rendering at the output device;

Neither of the cited references teaches or suggests a reference or pointer to data content and an indication of at least one of a language, format or data type acceptable for outputting the data content at an output device and receiving output data at the information apparatus from the server corresponding to the data content and being in a form that is acceptable for rendering at the output device.

Tan is directed to facilitating an interactive session and not remotely directed to outputting data. Stewart et al. describes outputting data, but uploads the data from the client to a server from which the data is sent to a print site for output. Stewart et al. provides no teaching or suggestion of receiving output data at the information apparatus from the server delivering the output data from the information apparatus to an output device for outputting the data content. Moreover, neither reference provides any teaching or suggestion of a composite message that includes a reference or pointer to data content or an indication of at least one of a language, format or data type acceptable for outputting the data content at an output device. Neither reference provides any mentions of an indication of a language, format or data type as being acceptable for outputting the data content at an output device. Applicants submit, therefore, that claim 81 and its dependent claims are patentably distinct from the cited references.

Claim 97 recites subject matter analogous to claim 81, but further recites a cellular telephone communication channel between a mobile, wireless information apparatus and a server over a cellular telephone communication network. Claim 97 is patentably distinct from the cited references for the reasons set forth above in reference to claim 81, and is further patentably distinct because the cited references do not teach or suggest cellular telephone communication channel between a mobile, wireless information apparatus and a server over a cellular telephone communication network.

Claim 106 recites a system analogous to the method subject matter of claim 81. Claim 106 is patentably distinct from the cited references for the reasons set forth above in reference to claim 81.

Claim 119 recites subject matter analogous to claim 81, but further recites that the data content includes audio data content, as described in the application at paragraph [0058], for example. Claim 119 is patentably distinct from the cited references for the reasons set forth above in reference to claim 81, and is further patentably distinct because the cited references do not teach or suggest the outputting of data content that includes audio data.

Applicant believes the application is in condition for consideration and respectfully requests the same.

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Respectfully Submitted,



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